

FRANKLIN, INVENTOR OF THE STOVE, TO HAVE NOTABLE MEMORIAL

Achievement of Printer-Philosopher, Which Revolutionized Methods of Heating, Will Be Celebrated in Gas Range Week.

Benjamin Franklin, the inventor of the stove. This is an achievement which has seldom been credited to "Poor Richard," and Philadelphia will offer a tardy tribute to the inventive genius of the Printer-Philosopher next week, more than 170 years after he announced the working principles of the first stove. In connection with National Gas Range Week, which opens in this city on Monday, gas and stove manufacturers throughout the country will join in a movement to erect a tablet in Franklin Institute to proclaim to the world that Franklin found time to invent the original American stove, which was the forerunner of all the modern appliances in use throughout the country today.

Gas Range Week has become a national movement. From the Atlantic to the Pacific next week it will be observed with appropriate exercises by gas range manufacturers in every large city, and it is expected that a large sum will be contributed in the hope of making the tribute to the inventor of the stove notable.

PLANS FOR THE MEMORIAL. The suggestion for the proposed memorial was made last year by Charles Farnham, advertising manager of the National Stove Company, Lorain, Ohio. In a letter received today he calls attention to the fact that until Franklin's invention all heating and cooking were done by means of fireplaces. Mr. Farnham points out, little of his revolutionary invention is known. Mr. Farnham suggests a simple memorial monument in keeping with the sentiment of the historic philosopher.

This would carry out the idea in the opinion of Mr. Farnham, who also urges that some mention be made of the fact that Franklin made a public gift of his invention, with stone benches and a roof to carry the idea of shelter, comfort and repose.

While some of these ideas may be carried out, a large majority of the manufacturers interested in the project prefer a bronze tablet in Franklin Institute. Tentative plans for this have been considered, which call for an unpretentious slab depicting a woman cooking before the crude forerunner of the stoves utilized by the modern housewife of today.

Clarence Roberts, president of the Robert Mander Stove Company and one of the directors of the National Commercial Gas Association, has conferred in connection with the memorial with the printer-philosopher, Mr. Clark, president of Franklin Institute. Mr. Clark is in favor of the establishment of a permanent "Franklin Stove Scholarship" for the evening classes of the Franklin Institute.

ANCIENT BOOK TELLS STORY. Mr. Clark resurrected a book from Franklin's pen as little known as his historic invention, which the volume describes in the quaint language and style of the time it came from the printer. This book was first published in Philadelphia in 1745. The title is "Experiments and Observations on Electricity."

The portion devoted to the description of the new invention reads as follows: "An account of the new invented Pennsylvania fireplaces; wherein their construction and manner of operation is particularly explained, and the advantages above every other method of warming rooms demonstrated, and all objections that have been raised against the use of them, answered, and directed with directions for putting them up and for using them to the best advantage; and a copper plate, in which the several parts of the machine are exactly laid down from a scale of equal parts, first printed at Philadelphia, in 1745."

FRANKLIN EXPLAINS INVENTION. In the pages devoted to a description of his invention, Franklin shows that he had made an exhaustive study of the principles of combustion, and gives indications of having discovered some of the theories which subsequently resulted in the invention and development of modern superheated boilers. To a modern reader the diagrams he furnished with the pages are slightly mystifying, but his stove was flawless for the time. According to historians, the new invention quickly replaced fireplaces when the antiquated early Colonials were convinced of its practicability. It became the forerunner of the modern stove, and was the first successful one of the kind used in America, satisfactorily, as a heating appliance setting away from the wall as a unit by itself.

A significant prophecy in the light of modern developments is made by the noted inventor in the pages of his volume as follows: "By the help of this saving invention, our wood may grow as fast as we consume it, and our posterity may warm themselves at a moderate rate without being obliged to fetch their fuel over the Atlantic, as if pit coal should not be discovered (which if an uncertainty, they must necessarily do.)"

Franklin's book and explanations relative to erecting the stove go into the principles of his invention. They describe a stove having for its main principle an air chamber. By an ingenious number of passages this is kept free from smoke, and for the first time utilizes the radiation of a fire from every point. The stove possessed two top plates through which most of the heated air came and quickly displaced the open-hearth fire in popularity for cooking.

A false back, erected in the fireplace, lessened the effect of the draft of the big chimneys in vogue at the time, while a passage underneath the stove allowed for the ingress of fresh air. The inventor in his description holds out as one of the most notable features of his stove the fact that the room wherein it was located was kept free from bad air. Householders of that age were probably astounded at his naive announcement that the "fire would remain lit all night without rekindling in the morning."

Among the most interesting passages of Franklin's published claims for his inventions were the following: "Heat may be separated from the smoke as well as from the light by means of a plate of iron (the first stove) which will suffer heat to pass through it without the others."

"I suppose our ancestors never thought of warming rooms to sit in; all they purposed was to have a place to make a fire in by which they might warm themselves when cold."

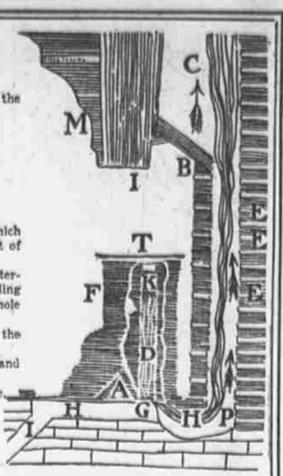
"To avoid the several inconveniences at the same time retain all the advantages of other fireplaces was contrived the Pennsylvania fireplace now to be described."

BENJAMIN FRANKLIN AND HIS FAMOUS STOVE



BENJAMIN FRANKLIN

M—The mantelpiece, or breast of the chimney. C—The funnel. B—The false back and cloot. E—True back of the chimney. T—Top of the fireplace. F—The front of it. A—The place where the fire is made. D—The air-box. K—The hole in the fireplace, through which the warmed air is discharged out of the air-box into the room. H—The hollow filled with fresh air, entering at the passage I, and ascending into the air-box through the airhole in the bottom plate near. G—The partition in the hollow to keep the air and smoke apart. P—The passage under the false back and part of the hearth for the smoke. The arrows show the course of the smoke.



PROFILE OF CHIMNEY AND FIRE-PLACE

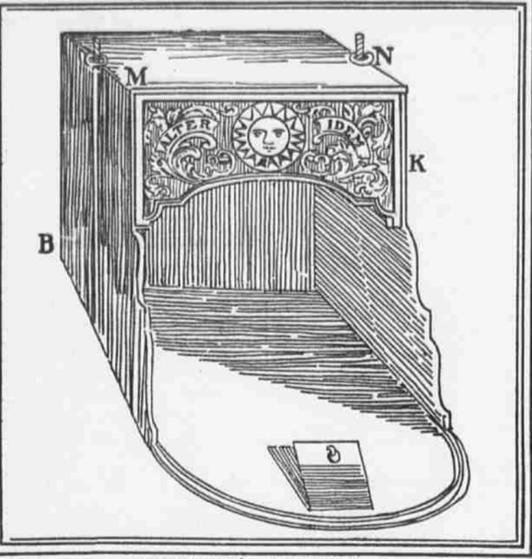


PROPOSED MEMORIAL TO FRANKLIN

pressed her intention of lecturing in Wildwood to aid the commissioners in their "clean-up campaign."

Our flexible finish for collars is even more desirable in warm weather. Comfortable, yet the collars last longer.

Neptune Laundry 1501 Columbia Ave. "Why not have the best?"



FRANKLIN'S STOVE

TODAY'S MARRIAGE LICENSES

- Joseph Rich, 3299 Miller st., and Honda Kopolnik, 3299 Miller st.
Yosel Mican, 4318 Stiles st., and Maryanna Kolaska, 1434 Stiles st.
Andrew Gorsh, 4799 Stiles st., and Taranka Dulaba, 4799 Stiles st.
Henry S. Shearr, 2610 E. Morris st., and Margaret K. Bess, Haverford, Pa.
Ernest Alup, 4905 Girard ave., and Katrina Markewitz, 1913 N. Broad st.
Edward Knottler, 2724 Brown st., and Lena P. East, 1818 Darven st.
Arthur L. Kelly, 2119 Bainbridge st., and Martha S. De Hart, 2214 Ellsworth st.
Mair Silverstein, 137 Snyder ave., and Lena Grossman, 1603 S. 34th st.
Solvator Bonitallus, 3531 Cecelia st., and Sylvia Johnson, 2831 Cecelia st.
Paul Selmer, York, Pa., and Blanche M. Gilbert, 1704 Vine st.
John S. D. Nuble, 719 Fitzwater st., and Camilla Minko, 741 E. 8th st.
Camillo De Vito, Devon, Pa., and Argentina Dellaport, 818 Belmont st.
Gouray V. Carlson, Norfolk Navy Yard, Va., and Henrietta Heilmann, 2311 Jessup st.
Max Weiner, 310 Mercy st., and Sarah Belok, 721 Dingley st.
Michael Fleming, Fall River, Mass., and Mary Deltro, 1935 N. 33d st.
Anna J. Roeka, 236 N. Peach st., and Louis Guano, Baltimore, Md., and Antonio Guano, Baltimore, Md.
Edward L. Fox, 1236 Fairmount ave., and Loreta Brown, 1236 Fairmount ave.
Stanislaw Anaburka, 3624 Mercer st., and Stanislaw Rydzinski, 434 Cambridge st.
Harry B. Purnell, 1029 Lombard st., and Isabel Cole, 1029 Avery st.
Eugene Miller, St. Emily st., and Pauline Korta, 1640 E. Broad st.
Frank J. Kutcher, 1224 Dickinson st., and Sadie Humenstal, 1225 Westmoreland st.
Jacob Gagan, 244 S. Darven st., and Augusta Hemenewald, 244 S. Darven st.
Conrad S. Sechnur, Cottersville, Pa., and Elizabeth Hahn, Cottersville, Pa.
Percy Gould, 2314 Pierce st., and Jane Williams, Montrose st.
Mariano Montano, 723 S. Hutchinson st., and Artelia Adams, 723 S. Hutchinson st.
Pietro Rocho, 3929 Arcadia st., and Anna Hacker, 3929 Arcadia st.
August Kaufman, 1612 Ruffner st., and Hazel Clair, 1612 Ruffner st.
Konstant Nussel, 1618 Salmon st., and Leokadia Skdzisnowski, 4521 Almond st.

Wildwood Children Organized

WILDWOOD, April 30.—Mrs. Edith W. Pierce, special officer of the Bureau of Highways and Street Cleaning of Philadelphia, visited Wildwood Wednesday, and while here assembled the children of the three local schools at Hunt's Avenue Theatre, where she organized them into a sanitary league. Mrs. Pierce was the guest of Mrs. George Boler Tulidge, chairman of the Sanitary Committee of the Wildwood Civic Club, and she expressed her intention of lecturing in Wildwood to aid the commissioners in their "clean-up campaign."

Fit of Epilepsy Causes Drowning

NORRISTOWN, Pa., April 30.—Seized with an epileptic fit while standing on a quarry embankment in Conshohocken last night, James Keloeye fell into the water and was drowned.

LAST DAY FOR LOW PRICES Premium COAL That Burns Right! And the Weight That Heats Right! —2240 lbs.—That Askes Right! Absolutely Right Prices in Effect April 1st Large Sterling Round

Pea Coal ..... \$5.25 Nut Coal ..... 7.00 Stove Coal ..... 6.75 Egg Coal ..... 6.50 CASH PRICES 25 cents extra if carried

Edmund W. Young Co. Main Office, 2121 N. 22d St. Yard, American and Susquehanna Aves. Phone, Diamond 1750

HORLICK'S The Original MALTED MILK Unless you say "HORLICK'S" you may get a Substitute.

Store your Overcoat JONES 1116 Walnut

Time for Oxfords, too

WHEN buying your new "Straw," remember that a pair of snappy Oxfords are just as essential to style. We illustrate an Oxford for men of exacting taste. It is a most perfect example of shoecraft, you will find—it appeals directly to those men who prefer distinctiveness and surpassing excellence in footwear.

"The Collegian" is made in all leathers—some with fancy tops—at \$5. When you see these Oxfords you'll say: "Tippy" is the word for them."

Dalsimer The Big Shoe Store 1204-06-08 Market St. OPEN SATURDAYS UNTIL 10 P. M.

Water as HOT as you want it WHEN you want it and ECONOMICALLY with— The Lovekin Automatic Combination Boiler and Gas Water Heater

THE LOVEKIN CO. 2227 Wood St., Philadelphia

WOMEN TO MARCH IN SUFFRAGE PAGEANT

Continued from Page One. Have been fashions for the occasion and promise to rival Old Sol himself, if he is propitious enough to shine tomorrow afternoon.

WILL WEAR ROSE OF THE "ANTIS." The Uncle Sam section, composed of young suffragists rigged out in natty white sailor suits with blue collars, red ties and white hats and shoes, will be led by Miss Caroline Katzenstein, secretary of the association. Partly because the yellow chrysanthemum, which is their adopted flower, would "jar" their costumes and partly to show just how broad-minded a suffragist can be, this division will wear the red rose of the "antis," and some lively comment on their "nerve" is expected from the opposition camp.

SOME OF THE SUGGESTIONS. Here are some of the instructions: The parade starts at 1:30 p. m. Be sure to be on hand not later than 1 o'clock.

Some of the women who will march are: Mrs. Edward Biddle, Mrs. S. S. Biddle, Miss Constance Biddle, Mrs. Wilfred Lewis, Mrs. Horatio Gates Lloyd, Mrs. Theodore Culer Patterson, Mrs. J. F. Brubaker, Mrs. Frank Miles Day, Miss

SUFFRAGISTS AT THE SHORE

Atlantic City Prepares to Welcome Leaders of Campaign. ATLANTIC CITY, N. J., April 30.—Suffragettes of many States, including among the many thousands of women at the hotel colony are preparing an enthusiastic welcome today for the state suffrage leaders on their way here by automobile, to open the South Jersey campaign in Atlantic City tonight.

The captains of the divisions are: Mrs. Harry Kohn, Miss Christina M. Doyle, Mrs. Caroline Bish, Miss Cora Richman, Mrs. M. D. Galloway, Dr. Florence Richards, Mrs. M. Louise McConnell, Dr. Bertha Lewis, Mrs. Frederick Lewy, Mrs. Steven E. Large, Mrs. Frank Robison, Mrs. J. F. Deban, Mrs. E. W. Vincent, Mrs. Albert Laverent, Mrs. Grace Hill, Mrs. Anna Lewis, Mrs. J. Archer Robson, Mrs. Susan Van, Mrs. Frances Howard, Mrs. Chas. H. Leavitt, Mrs. Rachel Barker, Mrs. May Hittner, Mrs. Lucy L. Wilson, Mrs. Edith Stevens, Mrs. Martha Day, Mrs. Susan Van, Mrs. Florence Sanville, Mrs. George Strathairn, Mrs. Della C. Ebert, Mrs. Elizabeth M. Mergard, Mrs. Frederick W. More, Mrs. Charles Klauer, Mrs. Anna M. Cassell, Mrs. Ida, Mrs. Josephine, Mrs. Sarah Barnhoit, Mrs. Katharina Shea, Mrs. Mary Hillison, Mrs. Mattie Weil, Mrs. Mary Scott, Mrs. Joseph James Allen, Mrs. Edith Spotts, Mrs. Mary McConnell, Dr. Ann Tompkins, Mrs. Lydia Boring, Mrs. J. E. Spurr

Bucks Wants "Closer Season" DOYLESTOWN, Pa., April 30.—The Bucks County Fish, Game and Forestry Association has decided to petition Governor Brumbaugh to close Bucks County to the shooting of English pheasants, grouse and quail for three years. Montgomery County promises to do the same. The association will buy and put out eight thousand baas.

Postmasters for Pennsylvania WASHINGTON, April 30.—President Wilson today appointed the following postmasters for Pennsylvania towns: John A. Miller, Arnold; S. Brunstetter, Clinton; Levy A. Moore, East Donegal; Patrick B. Egan, Emporium; Charles H. Lapsley, Glassport; John Gorman, Houtdale; J. P. Owens, Stockdale.

ARTIFICIAL LIMBS Orthopedic Braces for deformities. Elastic Stockings, Abdominal Supporters. Purchase direct from factory. 1911 FLAVELL'S, SPRING GARDEN ST.

FOR SUMMER COMFORT AND ECONOMY

Oriole Gas Range

The most modern, labor-saving gas range on the market. Equipped with every convenience for cooking, baking, frying, broiling and warming. Orioles are ready in an instant for any kind of food preparation, and do not heat up your kitchen. Cut down your fuel bill and keep cool this summer with an Oriole.



No. 3118 ORIOLE has a special broiler that raises, lowers and revolves a steak, a dozen chops, toast, etc.; turns without removing from oven. Just open door and turn.

SEE THE ORIOLE Gas Range Demonstrated at the U. G. I.

11th & Market Sts. This Week and Strawbridge & Clothier 23 different styles of "Oriole" on display at William Thomson's 64-66 N. 2D ST.

Every Fortune Gas Range That Goes Into Your Kitchen Means Work for the Skilled Mechanics of Philadelphia

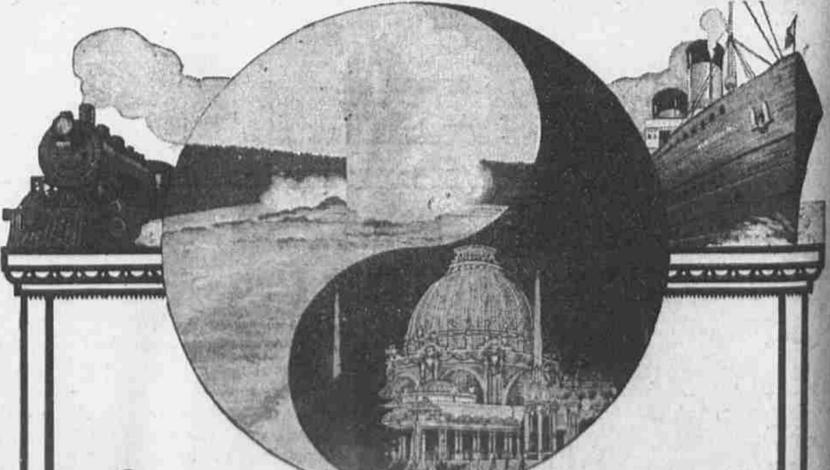
There is a Fortune range of every type for large or small dwellings and for all purposes. They are all moderately priced, high grade ranges.

But Most Important of all—

When you buy a Fortune, you are investing in Philadelphia-made products, giving employment to the men of this city and keeping your money here in Philadelphia, where it helps to make this city, and YOU, more prosperous!

Demonstrated and on sale at all Gas Company Offices

Thomas, Roberts, Stevenson Co. Philadelphia



Northern Pacific Railway and Great Northern Pacific Steamship Co.

California's Expositions

Travel via the cool, scenic highway in palatial transcontinental trains crossing two Ranges of the famous American Rockies and the picturesque Cascade mountains to Spokane, Seattle, Tacoma, Portland and North Pacific Coast Cities. Choice of routes via Puget Sound or along the Columbia River from Spokane.

Yellowstone National Park

Enter via Gardiner Gateway reached only by Northern Pacific Railway. See America's only Geysers and Nature's Own World's Exposition. Excellent transportation and hotel accommodations—ask about personally escorted tours to, through and from the Park during season.

Stop at Yellowstone National Park

P. W. FUMMILL, D. F. A., 711 Chestnut St., Philadelphia, Pa.